

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements to Roads and Drains at Jakkur Village Right Side in Ward No.05, Byataravanapura Sub Division

		Estimate Cost Rs.						4000000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification No KBS 2.1(a) /	cum							
	Desilting of Drain								
	Bachegowda House Road		2	23.80	0.40	0.40	7.62		
	Murthy House		2	48.00	0.40	0.40	15.36		
	Opp to Govt Hospital Road		2	107.00	0.40	0.35	29.96		
	Royal Wheel Alignment		2	61.00	0.40	0.40	19.52		
			2	36.00	0.40	0.40	11.52		
	Cross Road		2	20.00	0.40	0.40	6.40		
	School Qutres Side Road		2	53.00	0.40	0.40	16.96		
							107.00	146.88	15716.00
	Basic Rate	136.00							
	Area Weightage @ 8%	10.88							
	Total	146.88							
2	Removing B.S Slab of Drain and stacking Page No.25/ Item No. 5.32/ PWD SR 2014-	Sqm							
	Bachegowda House Road		2	23.80	1.65		78.54		
	Murthy House		2	48.00	1.65		158.40		
	Opp to Govt Hospital Road		2	107.00	1.65		353.10		
	Royal Wheel Alignment		2	61.00	1.65		201.30		
			2	36.00	1.65		118.80		
	Cross Road		2	20.00	1.65		66.00		
	School Qutres Side Road		2	53.00	1.65		174.90		
	main Road		2	154.00	1.65		508.20		
							1659.90		
	Deduct 20% Missing Slabs						331.98		
							1327.92	58.32	77444.00
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	58.32							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/	Sqm							
							Qty Vide Item No.3	1327.92	
							1327.92	75.60	100391.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No.25/	Sqm							
	For Missing slabs (20%)						Missing Slabs	331.98	

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							331.98	639.36	212255.00
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							
	Total	639.36							
5	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS	Cum							
	Bachegowda House Road		1	23.80	4.50	0.15	16.07		
	Murthy House		1	48.00	5.00	0.15	36.00		
	Opp to Govt Hospital Road		1	107.00	5.00	0.15	80.25		
	Royal Wheel Alignment		1	61.00	5.00	0.15	45.75		
			1	36.00	5.00	0.15	27.00		
	Cross Road		1	20.00	4.50	0.15	13.50		
	School Qutres Side Road		1	53.00	5.00	0.15	39.75		
							257.25	4847.04	1246901.00
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							
	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and	Cum							
	Bachegowda House Road		1	23.80	4.50	0.10	10.71		
	Murthy House		1	48.00	5.00	0.10	24.00		
	Opp to Govt Hospital Road		1	107.00	5.00	0.10	53.50		
	Royal Wheel Alignment		1	61.00	5.00	0.10	30.50		
			1	36.00	5.00	0.10	18.00		
	Cross Road		1	20.00	4.50	0.10	9.00		
	School Qutres Side Road		1	53.00	5.00	0.10	26.50		
							171.50	5847.12	1002781.00
	Basic Rate	5414.00							
	Area Weightage @ 8%	433.12							
	Total	5847.12							
6	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2014-	M							
	Bachegowda House Road		32	5.00			160.00		
	Prakesh Shankara House Road		36.6	5.00			183.00		
							343.00	138.24	47416.00
	Basic Rate	128.00							
	Area Weightage @ 8%	10.24							
	Total	138.24							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatig disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/	Sqm							
	Bachegowda House Road		1	23.80	4.50		107.10		
	Murthy House		1	48.00	5.00		240.00		
	Opp to Govt Hospital Road		1	107.00	5.00		535.00		
	Royal Wheel Alignment		1	61.00	5.00		305.00		
			1	36.00	5.00		180.00		
	Cross Road		1	20.00	4.50		90.00		
	School Qutres Side Road		1	53.00	5.00		265.00		
							1715.00	97.20	166698.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
8	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED)	Sqm							
	Bachegowda House Road		1	160.00	0.90		144.00		
	Prakesh Shankara House Road		1	183.00	0.90		164.70		
							308.70	1856.67	573154.00
	Data Rate	1856.67							
9	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 154/ Item No. 20.18/ PWD SR	Cum							
	Jakkur Graviyard Road		1	160.00	6.00	0.20	192.00		
							192.00	1438.56	276204.00
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	1438.56							
10	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces .of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 175/ Item No. 21.4/ PWD SR 2014-15	Sqm							
	Jakkur Graviyard Road		1	160.00	6.00		960.00		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							960.00	31.32	30067.00
	Basic Rate	29.00							
	Area Weightage @ 8%	2.32							
	Total	31.32							
11	SRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 174/ Item No. 21.20/ PWD SR 2014-15	Cum							
	Jakkur Graviyard Road		1	160.00	6000	0.025	24.00	Rs. 40.00 lakh only	
							24.00	8475.84	203420.00
	Basic Rate	7848.00							
	Area Weightage @ 8%	627.84							
	Total	8475.84							
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
							Qty. Vide Item No. 1	107.00	
								107.00	68.12
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2014-15 (P.130/I.17.1) For loading and unloading	63.00							
	Total	68.12							
							Grand Total		3959736.00
13	For 1% Third Party Charges								39597.00
14	Miscellaneous Charges	L/S							667.00
							Total		4000000.00

Rupees Forty Lakh(s) Only

CERTIFICATE

- The work spot has been inspected and the work is found necessary.
- This estimate is prepared as per PWD SR of 2014-15
- The provisions were made in this estimate are necessary and adequate.
- This works come under B.B.M.P. limits.

Assistant Engineer
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Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Technical Sanction
Accorded For 40.00 lakh Rs
Head of A/C. P 3089
CER NO : 69 Dt: 21.8.15

TA. CE (YNK).